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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,140	07/26/2001	Tai-Ying Chiang	SUNP0003USA	4324
7812	7590 04/08/2005		EXAMINER	
SMITH-HILL AND BEDELL			WOOD, WILLIAM H	
SUITE 104	12670 N W BARNES ROAD SUITE 104		ART UNIT	PAPER NUMBER
PORTLAND,	OR 97229		2193	
			DATE MAILED: 04/08/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Astinus Occurrence	09/682,140	CHIANG ET AL.	
Office Action Summary	Examiner	Art Unit	
	William H. Wood	2193	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RETURN THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by set any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a rep n. a reply within the statutory minimum of thirty (eriod will apply and will expire SIX (6) MONTH statute, cause the application to become ABAI	y be timely filed 30) days will be considered timely. S from the mailing date of this communication. IDONED (35 U.S.C. § 133).	
Status			
 1) ⊠ Responsive to communication(s) filed on 0 2a) ⊠ This action is FINAL. 2b) □ 3) □ Since this application is in condition for allections of the closed in accordance with the practice under the condition of the closed in accordance with the practice under the closed in accordance with the closed in accordance with the practice under the closed in accordance with the closed in accordance with	This action is non-final. owance except for formal matter	•	
Disposition of Claims			
4) Claim(s) <u>1-30</u> is/are pending in the applicated 4a) Of the above claim(s) is/are with 5) Claim(s) is/are allowed. 6) Claim(s) <u>1-30</u> is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction are	ndrawn from consideration.		
Application Papers			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co 11) The oath or declaration is objected to by the	accepted or b) objected to by the drawing(s) be held in abeyance orrection is required if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).	·
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority document of the certified copies of the priority document of the certified copies of the application from the International But * See the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the priority document of the certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the priority document of the certified copies of the priority document of the certified copies of the certified copies of the application from the International But the certified copies of the attached detailed Office action for a certified copies of the certified copies of the application from the International But the certified copies of the attached detailed Office action for a certified copies of the certified copies of the application from the International But the certified copies of the attached detailed Office action for a certified copies of the certified co	nents have been received. nents have been received in App priority documents have been re ureau (PCT Rule 17.2(a)).	lication No ceived in this National Stage	•
Attach manta)			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Sur	nmary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date 	B) Paper No(s)/l	Mail Date rmal Patent Application (PTO-152)	

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DETAILED ACTION

Claims 1-30 are pending and have been examined.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-4, 11-14 and 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Clark** (USPN 5,297,150) in view of **Shimomura** (USPN 5,854,925) as recited in the previous office action mailed 14 July 2004.
- 3. Claims 5-10, 15-20 and 25-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Clark** (USPN 5,297,150) in view of **Shimomura** (USPN 5,854,925) and in further view of **Cuddihy** et al. (USPN 5,463,768) as recited in the previous office action mailed 14 July 2004.

Response to Arguments

4. Applicant's arguments filed 08 September 2004 have been fully considered but they are not persuasive. Applicant argued in regard to claim 1: ¹⁾ Clark fails to show program statements associated with likelihood of causing an error; ²⁾ it is not obvious to

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combine Clark and Shimomura with regard to indicate error value in code; ³⁾ Clark does not show an error set of relationally connected statements; and ⁴⁾ Clark failed to indicate assigning values to statements based on probability of causing an error.

It is respectfully disagreed that Clark and Shimomura fail to demonstrate

Applicant's claimed invention. Clark disclosed flow graphs composed of statements,
which are relationally connected (the nature of connecting nodes of the graph) to the
error disclosed by Shimomura. Both, Shimomura and Clark are using flow graphs.

Clark provided weighting to indicate likelihood of error. Even if complexity is the
underlying factor in Clark, it still demonstrates a system of probability in failure. Failure
stemming from the error provided by Shimomura. Failure and error are thus obviously
related and so is the combination as set forth in the original rejections.

Applicant further argued, regarding other claims: ¹⁾ no disclosure of proper ranking order (as in claim 2); ²⁾ **Clark** does not indicate "priority value" (as disclosed by claim 3); ³⁾ no error set and only showing of complexity rankings in **Clark** (as recited in claim 4) and further no motivation for priority of execution cycles; ⁴⁾ no indication of correct values and no indication of scaling functions (as recited in claim 5); ⁵⁾ no adding a constant (as in claim 6); ⁶⁾ no indications of "error set" and "second sensitized set" probabilities of errors (as for claim 7); ⁷⁾ no disclosure of revision based on plurality of cycles (as indicated in claim 8); and ⁸⁾ no properly disclosed by prior art.

It is respectfully disagreed that the prior art of record fails to demonstrate

Applicant's claimed invention. First, the cited portions of **Clark** indicate a decreasing

order as do the claims. Complexity is factor in the determination of probability of error

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as discussed above. Second, "priority value" is disclosed as discussed above for claim

1. Third, error set and complexity are discussed above. "Prior experience" very clearly indicates previous "execution cycles" or a plurality of execution cycles. Fourth, scaling is clear through "prior experience" revision as shown in Clark. Further, correct values as demonstrated in the previous Office Action are shown through *historical* sensitized set values in the table 1. As originally interpreted the past occurrences produce "correct" values. Sixth, a constant of zero is demonstrated in column 5, lines 33-34 of Cuddihy. Seventh, once again revision (a repetitive process of assigning the values requiring multiple cycles for processing) is clear from the cited passage of Clark. And eighth, the passage of Clark gives no indication of not being correct in its assignment of variables.

Thus, the rejections are maintained as the prior art of record is read upon by the broadest reasonable interpretation of Applicant's claimed invention.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Wood whose telephone number is (571)-272-3736. The examiner can normally be reached 9:00am - 5:30pm Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571)-272-3719. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3900.

William H. Wood

April 1, 2005

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KAKALI CHAKI
SUPERVISORY PATENT EXAMINER
TECHILOLOGY CENTER 2100